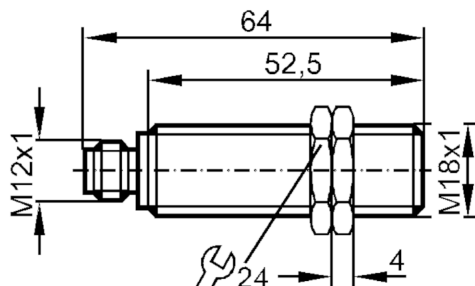


IG5744



Inductive sensor

IGK3005-BPKG/V4A/US-100-DPS



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05

Accuracy / deviations

Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 65



Inductive sensor

IGK3005-BPKG/V4A/US-100-DPS

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	1884
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Unlimited Voltage
	File number UL	E174191

Mechanical data		
Weight	[g]	58
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1
Thread designation		M18 x 1
Materials		stainless steel (1.4571/316Ti); PBT uncoloured

Accessories		
Accessories (supplied)		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12



Connection

